

<b>Cabinet Type</b>	<b>Multideck Full Height Roll-in</b>			
<b>Model Designation</b>	<b>RFA</b>			
<b>File Reference</b>	1219			
<b>Document Issue</b>	1	27.07.12	LRC	First Issue
	2	28-09-12	LRC	Added 1.87m Data.
	3	19-02-13	GR	Shelf Detail Added.
	4	30-08-13	LRC	Added Flow rates on DTX Glycol 27%
	5	05-09-13	LRC	Added THR's to water and to air

## Cabinet Technical Data Sheet – RFA

Product Type	Milk & Juice / 3M1
Product Temperature	-1 / +5°C
Maximum Design Ambient	25°C @ 60RH

<b>Case Length [m]</b>	<b>3.75</b>	<b>2.50</b>	<b>1.87</b>
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### Refrigeration Data

Nett Environmental Cooling Effect	3.12	3.08	2.41
Refrigerant Charge Per System R1270	800g	700g	800g

<b>Electrical Data (@ 230V 50Hz)</b>	<b>Watts</b>	<b>Amps</b>	<b>Watts</b>	<b>Amps</b>	<b>Watts</b>	<b>Amps</b>
Fans (EC EBM)	63	0.27	42	0.18	28	0.12
Controller	10	0.04	10	0.04	10	0.04
Lights	66	0.28	44	0.19	34	0.15
Condensing unit	1934	8.4	1446	6.3	839	3.7
Maximum Load – Off Cycle Defrost	2073	9.0	1542	6.7	873	4.01

### Engineering Data - Common

Total Heat Rejection THR [KW]	9.77	6.64	4.89
Plate Heat Exchanger [Kpa] each	2 @ 0.86 Kpa	2 @ 1.31 Kpa	1@ 0.86 Kpa
Water inlet temperature	18°C		18°C
Water outlet temperature	24°C		24°C
Drain Outlet	32mm Plastic		32mm Plastic
Chilled Water Connections	22mm		22mm
Condensate Volume	65ltrs (Per Linear Meter Per 24hrs)		

DTX Glycol 27% Flow Rate [Kg/S]***	0.3619	0.2559	0.1809
THR (Water only) [KW]	8.97	5.84	4.49
THR (Air only) [KW]	0.8	0.80	0.40

### Set-Up Data\*\* O/C Defrost

Cut in Temperature [°C]	2	2
Differential [K]	2	2
Anti Cycle Time (Seconds)	180	180
Lag Comp Delay (Seconds)	180	0
Cabinet Temperature Ratio (%)	66	66
N° Defrosts (per 24hrs)	8	8
Maximum Defrost Time [mins]	45	45
Defrost Termination Temp (air off) [°C]	9	9
Drain Down Time [mins]	0	0
Fans in Defrost	On	On
Integral Control	Basic	Basic

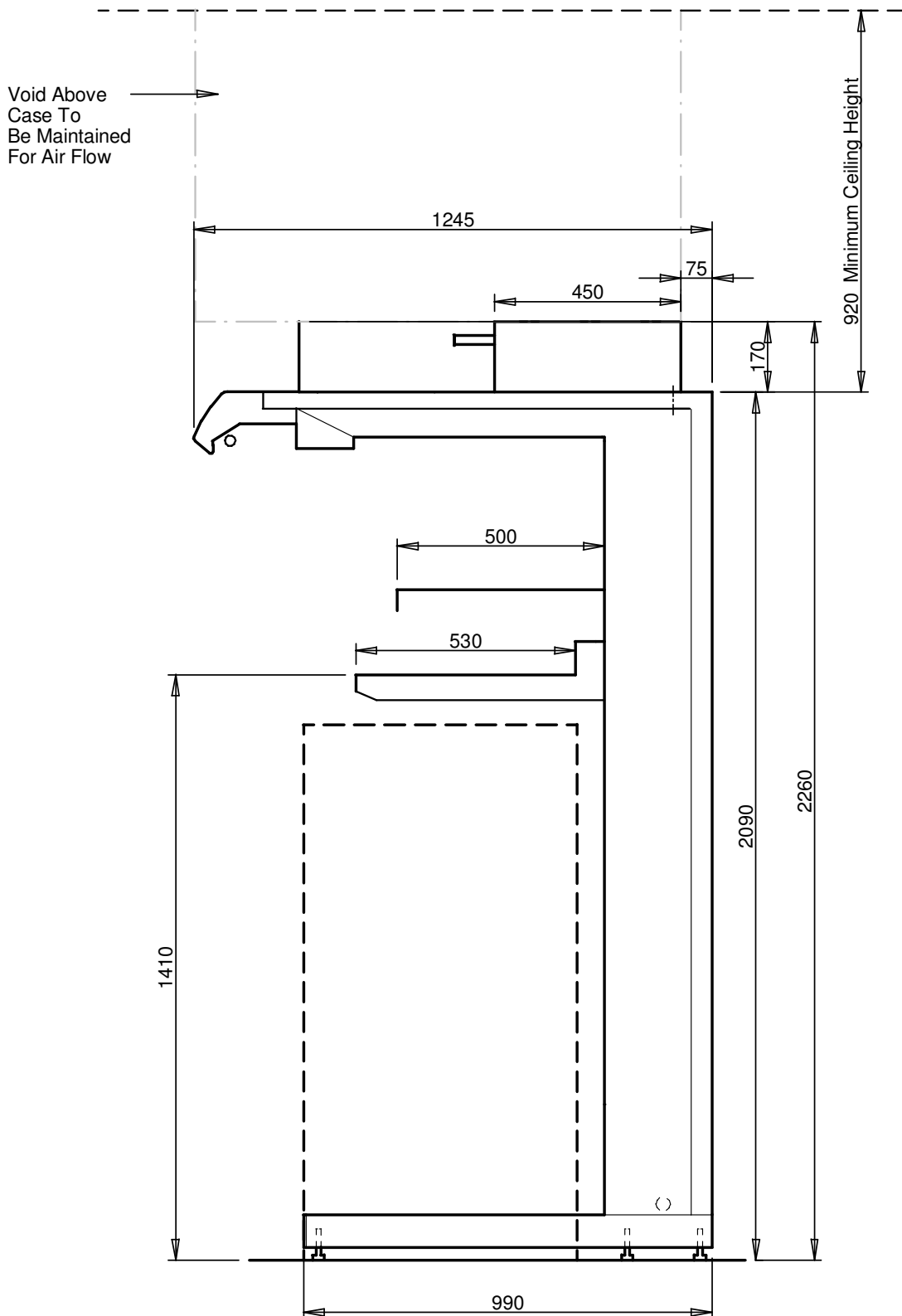
NOTES! \* 12/12 Trading Conditions

\*\* Set-up data is for guidance only. Final settings to be determined by commissioning contractor.

\*\*\* Flow rate for Glycol based on 27% @ 20°C from Coolflow = 3.8095KJ/(KG-K)

\*\*\*\* Flow rate for water @ 20°C ([http://www.engineeringtoolbox.com/water-thermal-properties-d\\_162.html](http://www.engineeringtoolbox.com/water-thermal-properties-d_162.html))

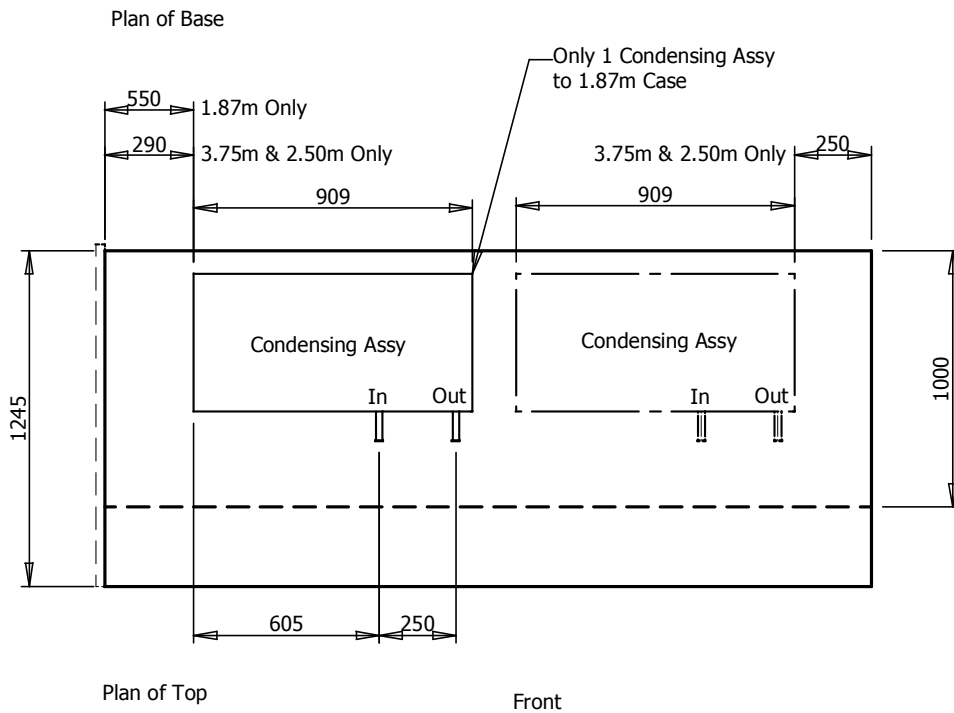
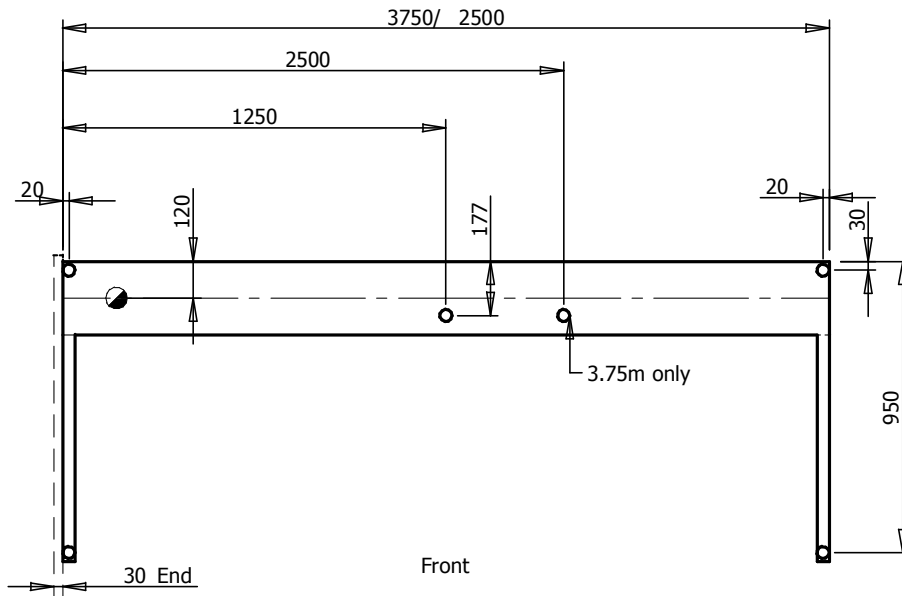
**Section Drawing – RFA**



Ref:- DS1111-04

## Plan Drawing – RFA

- KEY
- Feet Positions
  - Refrig. Outlets
  - ◐ Drain Outlets
  - ⊗ Electric outlet from case



Ref:- DP1111-02